

- i) UTP-dependent pyrophosphorylase;
- ii) UDP-glucose-dependent uridyl transferase; and
- iii) galactokinase.

75. The process of claim 75, wherein said one or more enzyme is two or more of:

- i) UTP-dependent pyrophosphorylase;
- ii) UDP-glucose-dependent uridyl transferase; and
- iii) galactokinase.

76. The process of claim 75, wherein said one or more enzyme is at least three of:

- i) UTP-dependent pyrophosphorylase;
- ii) UDP-glucose-dependent uridyl transferase; and
- iii) galactokinase.

77. The process of claim 74, wherein said one or more enzyme comprises UTP-dependent pyrophosphorylase.

78. The process of claim 74, wherein one or more enzyme comprises UDP-glucose-dependent uridyl transferase.

79. The process of claim 74, wherein one or more enzyme comprises UTP-dependent pyrophosphorylase and UDP-glucose-dependent uridyl transferase.

80. The process of claim 74, wherein said galactose is provided in the culture medium.

81. The process of claim 74, wherein said galactose is provided by exposing said cells or tissue to galactose-1-phosphate.

82. The process of claim 74, wherein said galactose is provided by exposing said cells or tissue to UDP-galactose.

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83. The process of claim 74, wherein said cells or tissue are further exposed to a galactosidase that produces galactose from a galactose precursor.
84. The process of claim 74, wherein said cells or tissue are incubated in a culture medium containing one or more galactose precursor selected from: lactose, melibiose, raffinose, stachyose, verbascose, galactinol, galactose pentaacetate and galactose methyl galactoside, and wherein said medium further comprises an enzyme that converts said precursor to galactose.
85. The process of claim 74, wherein said cells or tissue are incubated in a culture medium containing one or more galactose derivative selected from: galactose-1-phosphate and UDP-galactose.
86. The process of claim 74, wherein said plant cells or tissue are tobacco, cotton, rape seed, potato, or maize plant cells or tissue.
87. The process of claim 74, wherein said transforming further comprises transforming said cells or tissue with one or more heterologous nucleotide sequence of interest.
88. Transformed cells or tissue selected by the process of claim 74.
89. A transformed plant comprising cells or tissue selected by the process of claim 74.

REMARKS

Election

Applicant's elect Group III, former claims 25-32 and 68-73 (new claims 74-88) drawn to methods for selecting transformed cells and transformed cells, as these claims utilize the galactose pathway enzyme UDP-glucose-dependent uridyl transferase. This election is made with traverse, for the reasons discussed in the Remarks below.

Examiner's Restriction: